



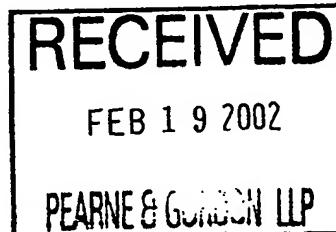
## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/045,362	10/29/2001	2651	1232	34111	17	24	8

CONFIRMATION NO. 1699

00116  
 PEARNE & GORDON LLP  
 526 SUPERIOR AVENUE EAST  
 SUITE 1200  
 CLEVELAND, OH 44114-1484



## FILING RECEIPT



\*OC000000007488617\*

Date Mailed: 02/15/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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ORIGINALLY FILED

Technology Center 2600

## Domestic Priority data as claimed by applicant

## Foreign Applications

JAPAN 2000-334889 11/01/2000

If Required, Foreign Filing License Granted 02/15/2002

Projected Publication Date: 05/30/2002

Non-Publication Request: No

Early Publication Request: No

## Title

A. Reproduction apparatus and method for reproducing digital information recorded on an optical disc

## Preliminary Class



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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO/TITLE
10/045,362	10/29/2001	Osamu Kawashima	34111

CONFIRMATION NO. 1699

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Date Mailed: 07/22/2002

**RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT**

**Title of Invention**

In response to your request for a corrected Filing Receipt, the Office cannot comply with your request because:

The articles such as "a," "an", and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.

The words "new," "improved," "improvement of," "improvement in", or "improvement relating to" are not included as the first words in the title of an application because a patent application is, by nature, a new idea or improvement. See MPEP 606.

The title may be truncated if it consists of more than 500 characters (letters and spaces combined).

Superscript and subscript are not possible. These characters will appear on the same line.

The title appears on the filing receipt in sentence case for publication in the Annual Index of Patents.

The title of the invention was captured as provided by applicant on the first page of the specification. An amendment is needed to make this change.

*Nuria Baroneas*

Customer Service Center  
Office of Initial Patent Examination  
(703) 308-1202



Receipt

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Osamu Kawashima et al.

Serial No.: 10/045,362

Art Unit: 2651

Filed: October 29, 2001

Title: "A REPRODUCTION APPARATUS AND METHOD FOR REPRODUCING DIGITAL INFORMATION RECORDED ON AN OPTICAL DISC" **RECEIVED**

Docket No.: 34111

JUL 24 2002

LETTER REQUESTING CORRECTED FILING RECEIPT

Technology Center 2600

Asst. Commissioner of Patents  
Office of Initial Patent Examination's  
Customer Service Center  
Washington, D.C. 20231

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ORIGINALLY FILED**

Sir/Madam:

Enclosed is a copy of the Filing Receipt for the above-identified application, dated February 15, 2002. The receipt contains an error in the "Title" section of the receipt. As shown on the enclosed copies of the first page of the Specification and on the ADS, the "Title" should read as follows:

"A REPRODUCTION APPARATUS AND METHOD FOR REPRODUCING DIGITAL INFORMATION  
RECORDED ON AN OPTICAL DISC"

Please issue a corrected filing receipt for this application and forward the same to the undersigned attorney of record.

Respectfully submitted,

PEARNE & GORDON LLP

By \_\_\_\_\_  
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June 12, 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Office of Initial Patent Examination, Customer Service Center, Washington D.C. 20231 on the date indicated below.

\_\_\_\_\_  
Michael W. Garvey  
Name of Attorney for Applicant (s)

6-12-2002

Date

\_\_\_\_\_  
Signature of Attorney

# A REPRODUCTION APPARATUS AND METHOD FOR REPRODUCING DIGITAL INFORMATION RECORDED ON AN OPTICAL DISC

## BACKGROUND OF THE INVENTION

### 5 1. Field of the Invention

The present invention relates to a reproduction apparatus for and a method of reproducing digital information such as video and audio signals recorded on optical discs. The reproduction apparatus includes a DVD-Video player and other disc players. The reproduction method is performed through a retry routine to continue 10 reproducing the digital information such as video and audio signals recorded on optical discs when the digital information cannot be read out of the optical disc operated by the DVD-Video player.

In general, the reproduction apparatus of this kind is designed to reproduce the digital information such as video and audio signals recorded on the optical disc by 15 reading the digital information out of the optical disc. If the optical disc happens to have external damages such as scars, scratches, and fingerprints, the reproduction apparatus cannot normally be operated to reproduce the digital information in the addresses respectively having the external damages. For this reason, the reproduction apparatus is designed to repeat the retry routine by predetermined one 20 more times before skipping the address or addresses to continue reproducing the digital information.

### 2. Description of the Related Art

There have so far been proposed a wide variety of disc reproduction apparatus. One typical example of the reproduction apparatus will be described 25 hereinafter with reference to FIG. 16. The reproduction apparatus 180 is shown in FIG. 16 as comprising an optical pickup 112, a signal amplifying means 113, a signal processing means 114, a buffer memory 115, a signal decoding means 116, a pickup driving means 117, and a retry controlling means 118. The optical pickup 112 is designed to read out digital information recorded in an optical disc 111. The signal 30 amplifying means 113 is operative to amplify the digital information read out by the optical pickup 112. The signal processing means 114 is designed to process the electric signals in one or more times of retry routines by the predetermined one or more times to correct the errors outputted as the electric signals from the signal amplifying means 113. Here, the words "one or more times" will be described 35 hereinafter as "times" for simplicity but is of course needless to say that the words include only one time. The word "retry routine" appearing hereinabove is intended

# APPLICATION DATA SHEET

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Application Type: utility

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DIGITAL INFORMATION RECORDED ON AN OPTICAL DISC

Attorney Docket Number: 34111

Legal Representative:

Attorney or Agent: Michael W. Garvey

Registration Number: 35878

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JP 2000-11-01 2000-334889 Priority Claimed

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